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The increase of v with increasing O_0 pressure is illustrated by the data: const. amt. of carene, pressure of air 100, 300, and 500 mm. Hg, v = 0.035, 0.085, 0.12 md.)r. In the presence of strong inhibitors, e.g. (CO₂HI), v is independent of the pressure of O_0 . Between 35 and 45° , v tafter 8 hrs.) increases more than 4 times, consequently, diffusion is not rate-sletg.; the same follows from the increase of v with time. With A designating v mode of either pinene or carene, the mechanism of the reaction can be represented by the scheme v and v are substantially, whereas the subsequent reactions take place in the liquid. The total rate is the sum of 2 rates, v = v and v and v are v and v and v are v and v and v and v are v and v and v and v and v are v and v and v and v and v are v and v and v and v and v are v and v and v and v are v and v and v and v are v and v and v are v and v and v and v and v and v and v are v and v

boundary, the no. of effective collisions of O, with surface (0.65 sq. cm.) would be 1.8 × 10¹⁴/sec., whereas the rate corresponds to 7.2 × 10¹⁴ mols./sec., in other words, over half of the activated mols. are deactivated by the inhibitor. The effectiveness of small amts, of inhibitors over prolonged periods of time would indicate that the chains are energy chains. This is borne out by the observation that pinene and carene to which some of their oxidation products have been added undergo further oxidation on illumination with a glass Hg-vapor lamp (i.e. in visible light), whereas in the absence of such products the photochem, oxidation is considerably slower, and is zero at the initial stages. The oxidation products evidently sensitize the photochem, oxidation. N. Thon

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APPROVED FOR RELEASE: 08/25/2000

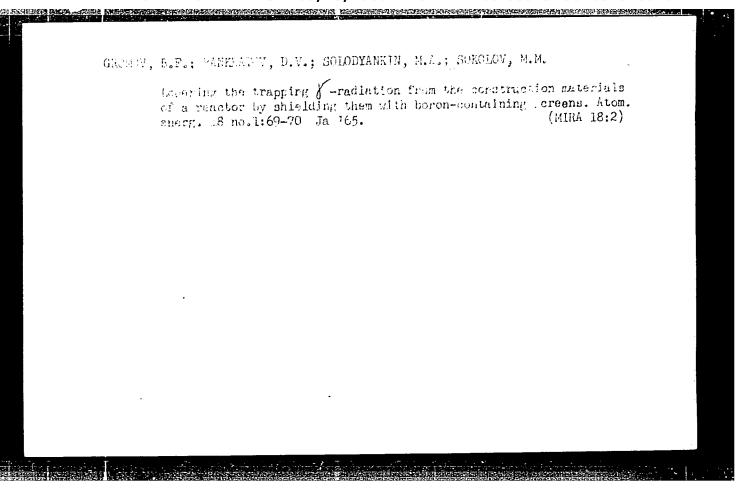
CIA-RDP86-00513R001652010020-4"

SOKOLOV, Mikhail Maksimovich; TARASOV, A.F., otv. red.; FOLYAKOVA, N., red.; KLIMOVA, T., tekhn. red.

[Economics of socialist agriculture]Ekonomika sotsialisticheskogo sel'skogo khozialistva. Moskva, Gospolitizdat, 1962.

254 p. (MIRA 15:8)

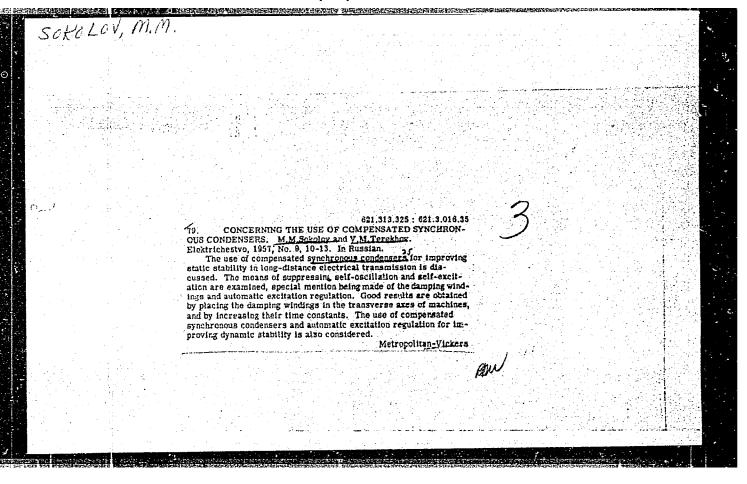
(Agriculture—Economic aspects)



Automation of feed processing operations. Trakt. i sel'khozmash.
32 no.1:21-23 Ja '62. (MIRA 15:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya.

(Automatic control) (Feeding and feeding stuffs)



SOKOLOV, MM.

89-3-8/30 AUTHORS: Sokolov, H. H., Ochkur, A. P., Fedorov, A. A. ,

Karabanov, N. I.

The Photo-Electric Absorption of Scattered Y-Rays (Foto-TITLE:

elektricheskoye pogloshcheniye rasseyannogo γ-izlucheniya)

PERIODICAL: Atomnaya Energiya, 1958, Vol. 4, Nr 3, pp. 284 - 285 (USSR)

ABSTRACT: The measurement of the 7 -spectrum was carried out by means

of a scintillation spectrometer to which a multichannel pulse analyzer was connected. As γ -radiator T1-204, Hg-203, Cr-51, Cs-137 and Zn-65 were used, and the distance between the detector and the radiator was varied between 5 and 15 cm. For the case Cr-51, D = 10 cm, and with sand as scattering material, which once contained 0,5 %, then 2 %, 5 % of lead and 10 % of copper the measured scattering spectrum is graphi-

cally represented.

At about 100 KeV a minimum can be observed in the 🤺 -spectrum which coincides with theoretical calculations. Within the range of about 150 KeV a more marked decrease is to be seen

Card 1/2 which corresponds to the single scattering of γ -quanta

89-3-8/30

The Photo-Electric Absorption of Scattered >> -Rays

with minimum energy. In theoretical calculation this energy

turns out to be 145 KeV.

The admixtures of lead considerably change the spectrum, not only decreasing the number of pulses but causing a depression which is to be seen within the range of 100 KeV, being dependent on the greatly increased photo-electric absorption coefficient for the γ -radiation, the energy of which approaches that of the K-binding energy of lead (88,2 KeV). Analogous pictures are given by all radiators investigated. There is 1 figure.

July 22, 1957 SUBMITTED:

Library of Congress AVAILABLE:

> 1. Scattered 7-Rays-Photoelectric absorption 2. 7 -Spectrum-Measurement 3, Scintillation spectrometers-Applications

Cari 2/2

AUTHORS: Sokolov, L. M., Kirabanov, H. I.

/3-1-18/20

TITLE:

The Field & Radiometer SG-42 (Polevoy Radiometr -SG-42)

PLRICUICAL:

Izvestiya AH SSSR Seriya Fizicheskaya, 1958, Vol. 22,

Mr 1, pp. 88 - 89 (JSSR)

ABSTRACT:

The authors worked out a portable apparatus with a scintillation counter for measuring f-rays with an energy of from 50 keV and more. The apparatus is produced by the industry under the name "Field-f-Radiometer CT-42". A MaJ-TI-crystal with d=30 and 1=25 mm, as well as a photomultiplier \$79-19 M are used in the apparatus. Optical contact between the crystal and the photomultiplier is brought about by means of an organosilicon liquid. The device has 3 scales: 1) o \frac{1}{2}50\mu hour, \frac{1}{2}\) O \frac{1}{2}150\mu hour^{-1},

3) O \frac{1}{2}700 - 800\mu hour^{-1}. The first two are linear, the third is nonlinear. The sensitivity-threshold of the device at a natural background of 6\frac{1}{2}7\mu hour^{-1} amounts to 2\mu hour^{-1}. The sensitivity of the device for the radium-source amounts to about 180 \frac{1}{2}200 pulses / min^{-1} per 1\mu hour^{-1}. The time constants of the device for the 3 scales are 4,2 sec, 2,2 sec and 1,2 sec respectively. The relative error can be determined according to the fluctuation of the device-indications or according to the formula

Card 1/2

The Field & Radiometer SG-42.

48-1-18/20

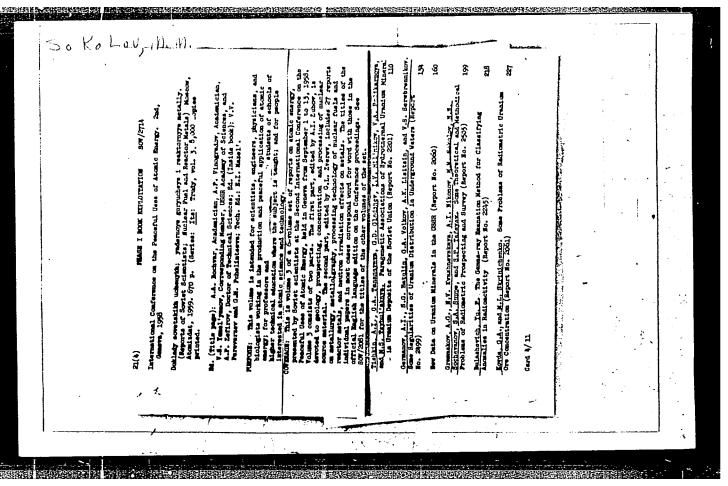
given here. The device weighs 5 kg. The stability of indication is sufficiently high in the temperature range of -10 \(\frac{2}{3}\) +40°. The device is mainly determined for geological prospecting. When the NaJ-Tl-crystal is replaced by suitable phorphors the device can be used for the recording of rapid and slow neutrons. There are 1 table and 1 figure.

AVAILABLE:

Library of Congress

1. Crystals 2. Neutron counters

Card 2/2



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SOV/132-59-8-13/18

AUTHORS:

Ochkur, A.P., Sokolov, M.M., and Fedorov, A.A.

TIPLE:

On the Interpretation of Diagrams of Gamma-Gamma

Core Sampling

PERIODICAL:

Razvedka i okhrana nedr, 1959, Nr 8, pp 52-53 (USSR)

AESTRACT:

In the diagram obtained from gamma-gamma core sampling, anomalies caused by caverns in the borehole are similar to those caused by rocks and minerals of low density. A correct interpretation of such a diagram can be made, according to the authors, by comparing the diagrams obtained with sounds of a different length. If the thus obtained values of density coincide on a graduated graph of a gammagamma survey, the anomaly is caused by the change in density of a rock or mineral. The variation

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SOV/132-59-8-13/18

On the Interpretation of Diagrams of Gamma-Gamma Core Sampling

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of the compared curves indicates that the bore-hole crosses a cavity. There are 2 graphs and 1 table.

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CIA-RDP86-00513R001652010020-4 "APPROVED FOR RELEASE: 08/25/2000

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AUTHOR:

Sokolov, M.

TITLE:

Development of Nuclear Energy in Sweden

PERIODICAL:

Atomnaya energiya, 1960, Vol 8, Nr 3, pp 270-273

(USSR)

ABSTRACT:

The low-grade uranium deposits of central Sweden, the metal reserves of one of which exceeds 1,000,000 metric

tons, their mining operations, uranium extraction mills, and seven experimental nuclear reactors,

operating or under construction, are briefly described

according to Swedish sources. Since the further increase of the country's hydroelectric power output is expected to reach its limit within 2 to 3 decades, and the electricity from power stations working with imported mineral fuels is 4 times more expensive than that from nuclear power stations, the latter's future is

believed to be very bright. There is 1 figure; 1 table; and 20 references, Swedish, or Russian and

German translations from Swedish.

Card 1/1

S/089/60/008/06/10/021 B006/B063 82311

5.5500

AUTHORS:

Fedorov, A. A., Sokolov, M. M., Ochkur, A. P.

TITLE:

Measurement of the γ-Emission Spectra of Radiative Neutron

Capture in Certain Rocks

PERIODICAL: Atomnaya energiya, 1960, Vol. 8, No. 6, pp. 555-556

TEXT: The gamma lines emitted by various nuclei as a result of their absorption of thermal neutrons are characteristic of these nuclei. An examination of this gamma spectrum makes it possible to analyze complex chemical compositions. The authors used this method for the first time in 1956 when they detected certain chemical elements in rock specimens. (Po+Be) with 2.106n/sec served as neutron source, and the gamma radiation was recorded by a scintillation spectrometer whose resolution was 12% for the gamma line of Cs 137 (0.66 Mev). The experimental arrangement is briefly described. Fig. 1 shows a pulse-height spectrum corresponding to the gamma radiation that occurs in neutron bombardment

Card 1/2

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Measurement of the γ -Emission Spectra of Radiative Neutron Capture in Certain Rocks

S/089/60/008/06/10/021 B006/B063 82311

of hornstone (Curve 1) and diorite (Curve 2). The former is mainly composed of silicon and oxygen, the latter of oxygen, silicon, sodium, calcium, aluminum, and iron. The capture cross sections of the thermal neutrons and the main gamma lines (E $_{\gamma}$ > 4.5 MeV) of these elements are listed in a Table. As practically no neutrons are absorbed by oxygen, only the Si line (4.95 MeV) occurs in the 5-MeV region. Diorite exhibits additional maxima at 6.4 MeV (Na, Ca) and 7.6 MeV (Al, Fe). The elements may be distinguished by continuous recording of the intensity of γ -radiation. Fig. 2 shows core sampling diagrams which are briefly described. There are 2 figures, 1 table, and 3 references: 1 Soviet and 1 Canadian.

SUBMITTED: December 12, 1958

4

Card 2/2

Scholov, M.M.

PHASE I BOOK EXPLOITATION SOV/5592

Vsesoyuznoye soveshchaniye po vnedreniyu radioaktivnykh izotopov i yadernykh izlucheniy v narodnom khozyaystve SSSR. Riga, 1960.

Radioaktivnyye imotopy i yadernyye izlucheniya v narodnom khozyaystve SSSR; trudy Vsemoyuznogo soveshchaniya 12 - 16 aprelya 1960 g. S. Riga, v 4 tomakh. t. 4: Poiski, razvedka i razrabotka poleznykh iskopayemykh (Radioactive Isotopes and Nuclear Radiation in the National Economy of the USSR; Transactions on the Symposium Held in Riga, April 12 - 16, 1960, in 4 volumes. v. 4: Prospecting, Surveying, and Mining of Mineral Deposits) Moscow, Gostoptekhizdat, 1961. 284 p. 3,640 copies printed.

Sponsoring Agency: Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR. Gosudarstvennyy komitet Soveta Ministrov SSSR po ispol'zovaniyu atomnoy energii

Eds. (Title page): N. A. Petrov, L. I. Petrenko, and P. S. Savitskiy; ed. of this volume: M. A. Speranskiy; Scientific ed.: M. A. Speranskiy; Executive Eds.: N. N. Kuz'mina and A. G. Ionel'; Card 1/11

, o 2

Radioactive Isotopes and Nuclear (Cont.)

sov/5592

Tech. Ed.: A. S. Polosina.

PURPOSE: The book is intended for engineers and technicians dealing with the problems involved in the application of radioactive isotopes and nuclear radiation.

COVERAGE: This collection of 39 articles is Vol. 4 of the Transictions of the All-Union Conference of the Introduction of Railoactive Isotopes and Nuclear Reactions in the National Economy of the USSR. The Conference was called by the Gotularstvennyy nauchno-tekhnicheskiy komitet Sovet Ministrov SSSR (State Scientific-Technical Committee of the Council of Ministers of the USSR), Academy of Sciences USSR, Gosplan SSSR (State Planning Committee of the Gouncil of Ministers of the USSR). Gosplan SSSR (State Planning Committee of the Gouncil of Ministers of the USSR) to avtomaticated i mashiostroyeniyu (State Committee of the Council of Ministers of the USSR for Automation and Machine Building), and the Gouncil of Ministers of the Latvian SSR. The reports summarized in this publication 'de'al with the advantages, prospects, and

Card 2/11

Radioactive Isotopes and Nuclear (Cont.)

development of radioactive methods used in prospecting, surveying, and mining of ores. Individual reports present the veying, and mining of ores. Individual reports present the results of the latest scientific research on the development and improvement of the theory, methodology, and technology of radioactric investigations. Application of radioactive methods in the field of engineering geology, hydrology, and the control of ore enrichment processes is analyzed. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

Alekseyev, F. A. Present State and Future Prospects of Applying the Methods of Nuclear Geophysics in Prospecting, Surveying, and Niming of Minerals

Bulashevich, Yu. P., G. M. Voskoboynikov, and L. V. Mizyukin. Neutron and Gamma-Ray Logging at Ore and Coal Deposits

Gordeyev, Yu. I., A. A. Mukher, and D. M. Srebredol'skiy. The

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Abdullayev, A. A., Ye. M. Lobanov, A. P. Novikov, and A. A.		
Card 7/11		:

"Match Analysis of Rocks and evol by reach of diffuse beta-may scattering."

SOROLOT, M. H., and COMPRAYA, E. E.

"Comma-ray spectrometry in bercholes for quantitative determination of heavy obsents."

reports to be submitted for the Conference on Musicar Geophysics, Krakow, Foland, 24-30 Gept 1962.

ð

SOKOLOV, M.M.

Study of the chemical composition of rocks and ores on the basis of using radioactive isotopes and atomic reactions. Uch. zap. SAIGIMSa no.8:27-31 '62. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki.

FEDOROV, A.A.; BOL'SHAKOV, A.Yu.; SOKOLOV, M.M.; NATSVIN, A.N.; PAVLYUKOVICH, Ye.A.

Principal results of work on using the gamma-ray scattering method in a Central Asian mercury mine. Uch. zap. SAIGIMSa no.8:53-58 '62. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut razvedochnoy geofiziki i Yuzhnyy gornometallurgicheskiy kombinat im. Frunze.

OCHKUR, A.P.; SOKOLOV, M.M.; BOL'SHAKOV, A.Yu.; KHITEV, P.P.

Possibility of determining the nature of selective logging anomalies.

Uch.zap.IGU no.303:274-277 '62. (MIRA 15:11)

(Radioactive prospectin,)

SOKOLOV, M.M., KLEVTSOV, P.P., FEDOROV, A.A., KHITEYEV, P.P.

Separate determination of uranium, thorium, and potassium in natural occurrence using a scintillation gamma-spectrometer. Vop.rud.geofiz. nc.4848-57 '64. (MIRA 1881)

<u>L 26914-65</u> EWP(e)/EWT(m)/EPF(n)-2/EWG(m)/EWP(t)/EWP(b) Pu-4 IJP(c) JD/DM

ACCESSION NR: AP5004010 S/0089/65/018/001/0069/0070

AUTHORS: Gromov, B. F.; Pankratov, D. V.; Solodyankin, M. A.; Sokolov, M. M.

TITLE: Reduction of the capture gamma radiation from structural reactor materials by screening the materials with boron-containing screens

SOURCE: Atomnaya energiya, v. 18, no. 1, 1965, 69-70

TOPIC TAGS: reactor shielding, capture gamma radiation, boron shielding

ABSTRACT: The authors point out that earlier experimentally determined coefficients expressing the decrease in the intensity of capture gamma rays from reactor construction materials were obtained for only one particular case, where the gamma detector was located at approximately half the mean free path from the surface of the

Card 1/3

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ACCESSION NR: AP5004010

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source, whereas the coefficient of reduction of the capture gamma dose (blocking coefficient) was really a function of the thickness between the source and detector. They have calculated with an electronic computer the spatial and energy distributions in steel screens and in the reactor shell using an 18-group method in the P₂ approximation, for the case of a reactor with and without a boron-containing screen. It has been shown earlier that leakage of neutrons gives rise to capture gammas in the reactor shell, which increases the gamma level outside the reactor. The calculations show that the decrease in the capture gamma radiation is quite rapid until a value of 4 mean free paths is reached, after which the coefficient becomes independent of the thickness. "The authors thank S. G. Tsykin and Yu. A. Kazanskiy for interest in the work and for critical remarks." Orig. art. has: 2 figures and 1 formula.

ASSOCIATION: None

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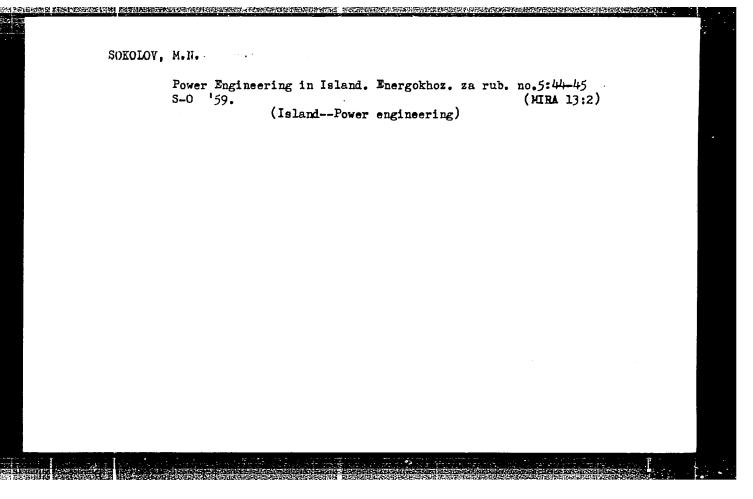
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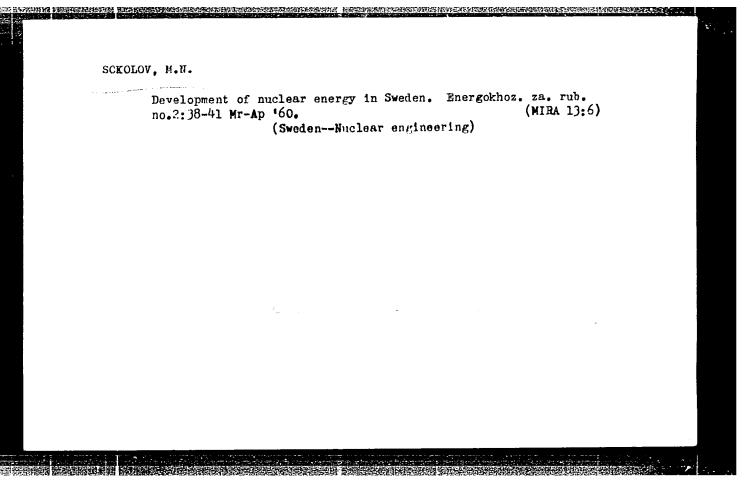
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ACCESSION NR: AP5004010
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NR RBF SOV: 003 OTHER: 000

SOKOLOV, M. N.

Sokolov, M. N. "On the problem of the development of microbes", Vracheb. delo, 1948, No. 12, paragraphs 1037-42.

SO: U-3042, 11 March 53, (Letopis 'zhurnal 'nykh Statey, No. 10, 1949).





SOKOLOV, M.N.; SEGAL, Ya.Ye., doktor ekonomicheskikh nauk, redaktor.

[Sweden] Shvetsiia. Moskva, Gos. izd-vo geogr.lit-ry, 1953. 85 p.
(HIRA 7:1)
(Sweden)

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Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,

pp 11 (USSR)

Tikhvinskaya, Ye. I., Krupin, V. I., Sokolov, M. N., Vinokurov, V. M., Veryasova, M. P., Mal kovskiy, F. S., AUTHORS:

Grigor'yeva, T. Ye.

Stratigraphy and Facies Relations in the Permian TITLE:

Deposits of the Tatarskaya ASSR (Osnovy stratigrafii i

fatsial'nogo slozheniya permskikh otlozheniy Tatarskoy

ASSR)

Uch. zap. Kazansk. gos. un-ta, 1955, Vol 115, Nr 10, PERIODICAL:

pp 113-117

The Permian deposits of Tatariya are divided into the ABSTRACT:

Lower Permian (250 m to 300 m thick), represented by the Schwagerina, Tastuba and Sterlitamak horizons of the Sakmara stage, and also by the Artinskian and Kungurian The authors point out the limited distribution of the Artinskian series, completely developed (80 m) only at the extreme eastern edge of Tatariya, where it

Card 1/2

SOKOLOV, Mark Nikolayevich; POPOVA, V.I., red.; VILENSKAYA, E.N.,
tekhn.red.

[Liberia; geographical study] Liberiia; geograficheskii ocherk.
Moskva, Gos.izd-vo geogr.lit-ry, 1959. 28 p. (MIRA 12:10)

(Liberia--Economic conditions]

SOKOLOV, M. N.

"Different Stages of Scandinavian Glaciation as Reflected in the Relief of the Russian Plain"

report to be submitted for the Intl. Geographical Union, 10th General Assembly and 19th Intl. Geographical Congres, Stockholm, Sweden, 6-13 August 1960.

ANDREYEV, Boris Ivanovich; LEDOVSKIKH, Stepan Ivanovich; RABINOVICH, Isaak Yevgen'yevich; <u>SOKOLOV</u>, M.N., retsenzent; SHIBANOVA, A.A., red.; PODOL'SKAYA, M.Ya., red.kart; KREYS, I.G., tekhn. red.

[Essays on economic geography: Austria, the German Federal Republic, and Switzerland] Ocherki ekonomicheskoi geografii: Avstriia, Federativnaia Respublika Germanii, Shveitsariia. Moskva, Uchpedgiz, 1963. 229 p. (MIRA 17:2)

SOKOLOV, M.N., kand. tekhn. nauk, dotsent; TEREKHOV, V.M., inzh.

Expedient regions of the utilization of reactor control for induction meters. Trudy MEI no.30:287-293 '58. (MIRA 12:5)

l. Moskevskiy erdena Lenina energeticheskiy institut, Kafedra elektrooberudovaniya premyshlennykh predpriyatiy.
(Electric meters, Induction)

SCKOLCY, . N.

Linear Measurements in Folygonometry Carried Out With Accuracy of 1:25,000 Sb. Statev to geolezii, No 8, pp 69-76, 1954

Results of investigations concerned with accuracy of measurements of linear lengths in polyjonometry carried out by the Central Scientific Research Institute of Geodesy, Aerial Survey, and Mapping are presented. The most stringent requirements of accuracy have to be satisfied in polygonometric shains 3 km long. For securing the accuracy of linear measurements of 1:25,000, discrepancies between separate measurements should not exceed 1.0 mm. The tension of wires may be provided by dynamometers and the wires should be of invar. (RZhAstr, No 11, 1955)

SO: Sum 812, 6 Feb 1956

SOKOLOV, M.N., kandidat tekhnicheskikh nauk.

Geodetic basis of a topographic survey on a scale of 1:10,000.

Trudy TSMIIGAIK no.100:19-55 '154. (MLRA 8:2)

(Topographical surveying)

SUDAKOV, S.G.; VIROVETS, A.M.; KURYTSIN, S.V.; PAVLOV, V.F.; PODOBEDOV, N.S.; POPOV, V.A.; RYTOV, A.V.; SOKOLOVA, N.A.; SOKOLOV, M.N.; TROITSKIY, B.V.; SHNEYDERMAN, E.S.

[Instructions for topographical surveying; scale 1:5000 and 1:2000]
Instruktsiia po topograficheskoi s*emke v masshtabakh 1:5000 i 1:2000.
Moskva, Izd-vo geodezicheskoi lit-ry, 1955. 87 p. [Microfilm]
(MLRA 8:2)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Topographical surveying)

SOKOLOV, Mikhail Nikolayevich; YELISEYEV, S.V., kandidat tekhnicheskikh nauk, redakter; KHROMCHENKO, F.I., redakter; KUZTMIN, G.M., tekhnicheskiy redakter.

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[Theodelites of medium accuracy and less] Teodelity maloi i srednei technesti. Ped ebshchei red. S.V.Eliseeva. Moskva, Izd-ve geedezicheskei lit-ry, 1956. 96 p.

(Theodelites)

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SOKOLOV. M.H. kandidat tekhnicheskikh nauk.

Tables of coordinate increments. Geod. i kart. no.3:16-20 Mr '57.

(Geodesy-Tables, etc.)

(MIRA 10:8)

AL-38 I BOOK . FLOTTATION 301/4011 SOV/42-M-118

Sokolov, M. N.

Trebovaniya k tochnosti topograficheskikh kart i topograficheskikh sⁿyemok v masshtabakh 1:2,000, 1:5,000, 1 1:10,000 (Standards of Accuracy of Topographic Maps and Surveys at Scales 1:2,000, 1:5,000 and 1: 10,000) Moscow, Geodezizdat, 1958. 167 p. (Series: Moscow. Tsentral nyy nauchno-issledovatel'skiy institut geodezii, aeros"yemki i kartografii, Trudy, vyp. 116) 1,000 copies printed.

Sponsoring Agency: USSR. Glavnoye upravleniye geodezii i kartografii.

Ed.: A. V. Maslov; Tech. Ed.: V. V. Romanova; Ed. of Publishing House: A. I. Inozemtseva.

PURPOSE: The book is intended for topographers and surveyors. It may also be used by students of topography and cartography.

Card 1/6

Sty/6-58-7-8/10

Candidate of Technical Sciences, jokolov, M. H., AUTHORS:

Fedosov, F. P.

Tachymetric Tables (Takheometricheshiye tablitay) TITLE:

Geodeziya i kartografiya, 1958, Hr 7, pp. 41-50 (USSR) PERIODICAL:

By recommendation of the Central Bureau of Surveying and Cartography an investigation was carried out in the Central ABSTRACT:

Scientific Research Institute of Surveying, Aerial Photography, and Cartography of the different tachymetric tables in order to select the most economic and best utilizable pnes abongst them. All tables which have been published during the last 25 years were examined. The investigation yielded the following results: 1) The most useful computations were obtained with the tables 1, 2 and 3. 2) The qualification of the calculator and his ability to adapt himself to the use of the table have a more pronounced influence than the type of table used. 3) The most universal table is table 1.

It is, however, too copious. 4) Table 2 is on a smaller

range, it is, however, more convenient for drawing terrain Card 1/2

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Tachymetric Tables

say/6-58-7-5/19

in a mosaic. 5) Table 3 is portable and it offers a sufficient performance in computations. 6) For surveying at a large scale and in mountainous regions no special tables must be published. 7) The tables must be supplemented by auxiliary tables. 3) Table 1 is to be considered the standard table. There are 4 tables.

1, Mapping 2, Geophysical surveying—Tables

Card 2/2

S/006/60/000/05/10/024 B007/B123

AUTHOR: Sokolov, M. N., Candidate of Technical Sciences

TITLE: On the Contour Interval of the Relief of Topographic Maps

PERIODICAL: Geodeziya i kartografiya, 1960, No. 5, pp. 40-45

TEXT: This article describes the way of selecting contour intervals adopted in the USSR, In Germany (principally in Western Germany) and in the USA. In 1935 standards were set up in the USSR for the contour interval, considering the demands of engineering projects. The possibilative of a maximum and, at the same time, expedient utilization of the graphical possibilities of a map on the respective scale is taken into account. This interval was designated in Soviet geodetic publications as normal cross section. It is calculated from formula (2). In Table 1 these values are given for topographic maps on scales of 1:5000 to 1:100032 as well as the contour intervals fixed by the Glavnoye upravlenive geodetic kartografii (Main Administration of Geodesy and Cartography), that are interval of topographic maps, but not of special maps. For special maps

Card 1/2

On the Contour Interval of the Relief of Topographic Maps

S/006/60/000/05/10/024 B007/B123

first of all a contour interval is chosen, which guarantees the necessary accuracy of engineering calculations, and then the scale for the survey is fixed. In the USSR additional contour lines are plotted at a distance which is a fraction of the interval (1/2, 1/4), or at any distance. Which is a comparison of the methods commonly used in Germany and the USA, the author believes that procedures used in the USSR are more efficient. There are 3 tables and 5 references, 1 of which is Soviet.

Card 2/2

SOKOLOV, M.N., dotsent, kand.tekhn.nauk

Torsion of geodetic steel signals. Trudy MIIGAIK no.41:3-14 160. (MIRA 13:11)

l. Kafedra geodezii Moskovskogo instituta inzhenerov geodezii, aerofotos yemki i kartografii. (Triangulation signal towers)

CHEBOTAREV, Aleksandr Stepanovich, prof.; SELIKHANOVICH, Valeriya
Georgiyevna, dots.; SOKOLOV, Mikhail Nikolayevich, dots.;
KHROMCHENKO, F.I., red.izd-va; SUNGUROV, V.S., tekhn. red.

[Surveying]Geodeziia. Pod obshchei red. A.S.Chebotareva. Moskva, Geodezizdat. Pt.2. 1962. 613 p. (MIRA 16:3)

(Surveying)

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

EWP(e)/EWI(m)/EWP(v)/T/EWP(t) JD/HM 07667 SOURCE CODE: UR/0413/66/000/003/0039/0039 JD/HM L 2301(~65) ACC NR. AP6007667 AUTHOR: Butomo, D. G.; Zedin, N. I.; Sliozberg, S. K.; Sokolov, M. P. ORG: mone TITLE: Alloy for electrodes of resistance welders. Class 21, No. 178426 [announced by the All-Union Scientific Research Institute of Welding Equipment (Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo oborudovaniya)] Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 3, SOURCE: 1966, 39 welding electrode, resistance TOPIC TAGS: alloy, electrode, welding ABSTRACT: An Author Certificate has been issued describing an alloy for electrodes containing copper and magnesium for resistance welders. of In order to increase the strength of the electrode in resistance welding of aluminum and its alloys; the electrode alloy is supplemented ing of aluminum and its alloys, the electronic alloys, the electronic alloys, the other compounds are magnesium (up to 0.30%), with ~0.1% boron, the other compounds are magnesium (up to 0.30%). and the balance is copper. SUBM DATE: 04Jan65/ SUB CODE: 11, 13/ Card 1/1 plan UDC: 621.791.763.037.2

SOKOLOV, M.P. (Odessa); YASYUCHENYA, V.L. (Odessa)

Water solution of blood for fattening pigs. Veterinariia 39
no.10:71-72 0 '62.

(Blood as food or medicine)
(Swine—Feeding and feeds)

38044. SOKOLOV, M. P. and ROZENBERG, L. YE.

Voprosy planirovki dendrariya. Gav. botan. sad. Byulleten' Glav. botan. sada, vyp. 4, 1949, s. 13-19

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652010020-4

EWT (m)/BDS AFFTC/ASD L 13377-63 ACCESSION NR: AP3002721

s/0120/63/000/003/0066/0071

AUTHOR: Sokolov, M. P.

TITLE: Automatic apparatus for measuring radiactivit

SOURCE: Pribory* i tekhnika eksperimenta, no. 3, 1963, 66-71

TOPIC TAGS: wire radioactivity measurement, reactor neutron flux

ABSTRACT: An automatic apparatus is described for determining distribution of the neutron flux along the reactor channel. Irradiated wire (up to 5-m long) passes a radiation detector and is wound by a wire-transport mechanism; the wire length under study is adjustable within 5-200 mm. Radiation-detector pulses are amplified, discriminated, and fed into a counter unit whose second channel serves for timing (100-cps pulses). Upon terminating the exposure (10 to 10,000 sec), the stored information is fed into a printer. A standardized counter-timer unit may be operated in several modes and is suitable for various physical investigations. A photograph and simplified connection diagrams are submitted. The apparatus was exhibited at the Soviet Industry Fairs in London and Paris in 1961. "I.P. Yeremeyev I. V. Naumov, and N. S. Ipatova took part in the development of the apparatus. The printer design documentation was carried out by V. N. Kartsev and N. A. Abdoko /.

Card 1/21

S/0271/64/000/002/B040/B040

ACCESSION NR: AR4020782

SOURCE: RZh. Avtomat., telemekh. i vy*chislitel. tekhnika, Abs. 2B253

AUTHOR: Sokolov, M. P.

TITLE: Output units for a general-purpose memory

CITED SOURCE: Tr. 5-y Nauchno-tekhn. konferentsii po yadern. radio-elektron.

T. 4. M., Gosatomizdat, 1963, 125-139

TOPIC TAGS: general purpose memory, pulse analyzer, time selector, charge storage tube, histogram transcriber, computer

TRANSIATION: A general-purpose memory has been developed for various types of analyzers: 1-and 3-dimensional amplitude analyzers, time analyzers, time selectors, etc. A charge-storage tube type LN8 is used in the memory. As basic parameters the device has 1024 memory channels, a binary counting system, 16 parameters the device has 1024 memory channels, and a raster regeneration places, 20-microsec mean input pulse recording time, and a raster regeneration places, 20-microsec mean input pulse recording time, and a raster regeneration of 170 msec for the entire charge-storage tube. A set of output units continue of 170 msec for the entire charge-storage tube, and magnetic recorder sisting of a high-speed printer, a histogram transcriber, and magnetic recorder

Card 1/2

ACCESSION NR: AR4020782 are provided for information output from the memory. In addition, it is planned to provide a magnetic tape unit as an input to the computer. The operating modes of the memory system during output of information on the units described are examined. Orig. art. has 8 figs. and 3 refs.

O. B.

DATE ACQ: 03Mar64

SUB CODE: SD, CP

. ENCL: 00

BORISOV, A.A., doktor geogr. nauk, prof.; ZNAMENSKAYA, O.M., kand. geogr. nauk; BLAGOVIDOV, N.L., kand. sel'khoz. nauk; MINYAYEV, N.A., kand. biol. nauk; SHUL'TS, G.E., kand. biol. nauk; RODIONOV, M.A., kand. biol. nauk; MAL'CHEVSKIY, A.S., prof., doktor biol. nauk; TOMSON, N., doktor med. nauk, prof., akademik; VERESHCHAGIN, N.K., doktor biol. nauk; NEYELOV, A.V., aspirant; TYUL'PANOV, N.M., inzh. lesnogo khoz.; KUROVSKIY, G.I., inzh. parkostroitel'; SOKOLOV, M.P., arkhitektor; SOKOLOV, S.Ya., doktor biol. nauk, prof., nauchn. red.; MAL'CHIKOVA, V.K., red.

[Nature of Leningrad and environs] Priroda Leningrada i okrestnostei. Leningrad, Lenizdat, 1964. 249 p. (MIRA 17:7)

1. Akademiya nauk Estonskoy SSR (for Tomson). 2. Zoologi-cheskiy institut AN SSSR (for Neyelov).

SOKOLOV, M.P.

22406. SOKOLOV, M.P. Arkhitekturnaya Strurtura Polyarno- Al'piyskogo Botanicheskogo Sada. (Khibinskiye Gory). Byulleten' Glav. Botan. Sada, VYP. 2, 1949, S. 40-45

SO: Letopis' No. 30, 1949

1.2300

2808,2208,2708, 1573

26180 s/125/61/000/009/004/014 D040/D113

AUTHORS:

Sliozberg, S.K.; Ginzburg, S.K.; Sokolov, M.P.

TITLE:

The effect of heat on the properties of copper-aluminum welded

joints

PERIODICAL: Avtomaticheskaya svarka, no. 9, 1961, 20-23

TEXT: Results are presented of an experimental investigation carried out with cold-welded copper and aluminum wire joints prepared at the cold-welding laboratory of VNIIESO. It was noticed that a thin light strip, about 1.5 micron deep, formed in unetched specimens, after a brief heating to 300°C, and that it grew upon increasing the temperature and heating time. Finally, the light strip reached a depth of 40-45 microns at 500°C and a dark strip appeared adjacent to it on the copper side. This dark portion of the transition layer was heterogeneous in structure and very brittle. Ruptures of the joints in tests always occurred in this dark strip, or on the boundary between it and the light strip. Failures across the light strip were only observed when the dark strip was absent. M.A.Basalayeva revealed by

Card 1/2

KALOSHIN, S.G.; SOKOLOV, M.P.

Testing new types of bits for rock drilling under working conditions. Trudy Inst. gor. dela AN Kazakh. SSR 11:73-77 '63.

(Rock drills---Testing)

(Rock drills---Testing)

KALOSHIN, S.G.; SOKOLOV, M.P.

New bits for air-and-percussion drilling. Trudy Inst.gor.dela
AN Kazakh.SSR 8:92-101 161.
(Boring machinery)

(Boring machinery)

THE PROPERTY OF THE PROPERTY O

66369

24.5300 AUTHOR: Sokolov, M.P. SOV/120-59-5-12/46

TITLE: Automatic Single-change Amplitude Analyser with a Spectrum

Recorder

PERIODICAL: Pribory i tekhnika eksperimenta, 1959, Nr 5,

pp 54 - 60 (USSR)

ABSTRACT: The analyser operates on the following principle. The

required discrimination level is set and the pulses which pass through the differential "window" of the discriminator are counted over a known time interval. After the terminatio of the count, the number of pulses is automatically printed by a digit printing typewriter. Simultaneously, the various units of the device are prepared for the registration at the next discrimination level and the cycle is then repeated at the next level. Another type of operation is possible. Now, a pre-set number of pulses is registered at each level and the time taken for obtaining the number of pulses is registered. This type of operation is employed when it is necessary to take a spectrum having an identical statistical error at all points. The analyser consists of a number of

Card1/6

SOV/120-59-5-12/46
Automatic Single-change Amplitude Analyser with a Spectrum Recorder

discrete units (Figure 1). The first item is a differential amplitude discriminator followed by an amplifier; a detailed circuit diagram of this is given in Figure 2. The unit comprises a linear pulse amplifier containing a 3-tube feedback circuit and a set of diode discriminators furnished with capacity compensators. The switch setting the discrimination levels is provided by a uniselector. The successive contacts of the uniselector form a uniform potential divider. Two standard voltages taken from two brushes of the uniselector provide a given discrimination "window"; the voltages are applied to the discrimination diodes of the circuit of Figure 2. The level-switching is controlled by suitable signals from the so-called relay system. (Figure 4). The counting device consists of one vacuum-tube decade and four dekatrons (Figure 3). The counter is therefore capable of recording 10 - 1 pulses. The counter is furnished with an auxiliary relay which permits the reading of the count and the printing of the

Card 2/6

SOV/120-59-5-12/46 Automatic Single-change Amplitude Analyser with a Spectrum Recorder

information. The next unit of the analyser is similar to the counting system of Figure 3, except that the count which can be recorded is adjustable between 40 and 100 000. This unit is employed to determine the "exposure time", while counting a pre-set number of pulses. The time markers are provided by an oscillator operating at 100 c.p.s. The equipment also comprises a system of relays and a digit printing typewritier; a detailed diagram of this device is given in Figure 4. This unit is controlled by the signals from the control counter and it serves to read and print the information stored in the pulse counter. As soon as the unit comes into operation, the inputs of both counters are blocked. After the termination of the reading process, both the counters are unblocked and the system is ready to accept another cycle. The equipment is furnished with a suitable system

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SOV/120-59-5-12/46
Automatic Single-change Amplitude Analyser with a Spectrum Recorder

of power supply which was defined by Ukhin; some of the items in this unit are based on semiconductor elements (Figure 5). The analyser is also provided with a highvoltage power supply for the scintillation detector. When the analyser operates over fixed time intervals, the pulses from the output of the discriminator are applied to the main counter, while the control counter accepts the pulses from the 100 c.p.s. generator. By changing the counting capacity of the control counter, the counting time can be varied from 0.4 to 1 000 sec. On the termination of a count or "exposure", the output relay of the control counter is operated and this results in the operation of the relay system and the typewriter. When the measurements are conducted under the conditions of equal statistical errors, the output pulses from the discriminator are applied to the control counter, while the pulses from the 100 c.p.s. generator are applied to the main counter. When the counting (by the control counter) is completed, its output relay is operated and the number of pulses recorded by the main counter is printed

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4

SOV/120-59-5-12/46
Automatic Single-change Amplitude Analyser with a Spectrum Recorder

A STATE OF THE PROPERTY OF THE

by the typewriter; this gives a direct indication of the duration of an exposure. Several models of the equipment have been constructed, the latest and the most advanced analyser being the type AZA-Ts2. In this, the amplitude of the input pulses can be from 5mV to 40 V; the width of the differential window can be 2, 4 or 10% of the maximum input amplitude, the total number of levels ranging from 10-50. The maximum operating speed at the input is 10 000 random pulses per sec. The time for the recording at a given level is of the order of 8 - 12 sec. The analyser contains 56 tubes, 17 of which are gas-discharge devices. The total power consumed by the device is about 210 W. This equipment was demonstrated at the Brussels International Exhibition in 1958 and at the Soviet Exhibition in New York, 1959. Additional modifications and improvements to the equipment are contemplated in the near future. The author makes acknowledgment to A.A. Markov, G.N. Sofiyev and O.A. Ogurtsov for valuable advice and help in the design of the analyser.

Card5/6

CIA-RDP86-00513R001652010020-4 "APPROVED FOR RELEASE: 08/25/2000 SCHOOL STATES OF THE STATES OF

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SOV/120-59-5-12/46
Automatic Single-change Amplitude Analyser with a Spectrum Recorder

There are 7 figures and 2 references, 1 of which is

English and 1 Soviet.

August 16, 1958 SUBMITTED:

Card 6/6

SOKOLOV, M.P.

Equipment for the disinfection of sea water. Voen. - med. zhur.
no.1:91-92 4263.

(MIRA 17:8)

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652010020-4 大型的现在分词,可以是是大型的电影,但是是这种思想的的,但是是是这种的是是是是这种的。

USSR/Hierobiology. Hemoglobiografillie Rocteria. Brucallas

F-5

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 62463

Author : Tul'chinskaya V.P., Solialov M.P.

: Odessa Univeristy Inst

Title : Cultivation of Vaccine and Virulent Strains of Brucella.

Orig Pub : Hauch, yezhegodnik, Odessk, un-t, 1956, Odessa, 1957,

Abstract : No abstract

Card : 1/1

45

NEW CONTRACTOR OF THE PROPERTY OF THE PROPERTY

Cage for keeping small laboratory animals. Veterinariia 36 no.11:
85-86 N '59 (MIRA 13:3) (Iaboratory animalsEquipment and supplies)
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L 38809-66 ENT(d)/ENT(1)/ENP(1) IJP(e) CO/BB

ACC NR: AR6021025

SOURCE CODE: UR/0058/66/000/002/A050/A050

AUTHOR: Sokolov, M. P.

5 bg

TITLE: System for the readout of information stored in the memory of a multichannel pulse analyzer or in a counter with parallel binary-decimal code

SOURCE: Ref zh. Fiz, Abs. 2A409

REF SOURCE: Tr. 6-y Nauchno-tekhn. konferentsii po yadern. radioelektron. T. 2. M., Atomizdat, 1965, 102-108

TOPIC TAGS: multichannel analyzer, data readout, arithmetic unit, computer coding, computer design/ AI-100-1 multichannel analyzer

ABSTRACT: In the proposed data-readout (DR) system, connected to the AI-100-1 analyzer, the external recorders used are type PL perforator, a type EPP-09 automatic chart recorder, and an EUM-23 or EUM-23P electrically controlled typewriter. The analyzer operates in the "question-answer" mode, except when the information is fed to the chart recorder only. The code call-in pulses are fed from a shaping network to the analyzer control unit and cause a change of address in the distribution unit and of the code in the arithmetic-unit (AU) register, to which information from the memory unit is fed. From the AU register the information is fed to the transistor-relay

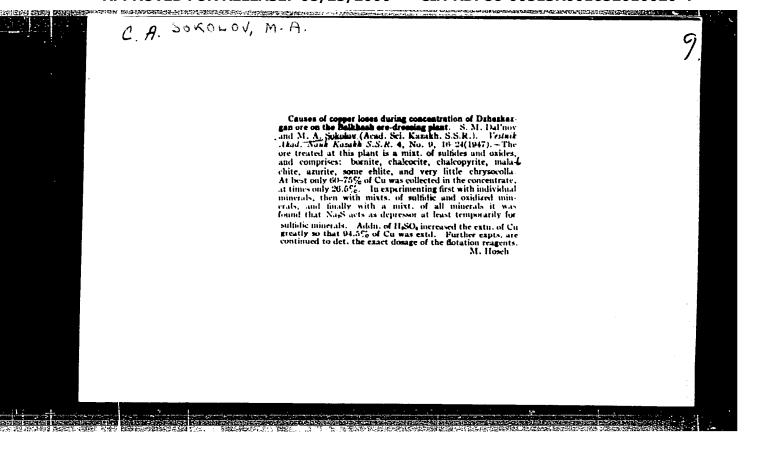
Card 1/2

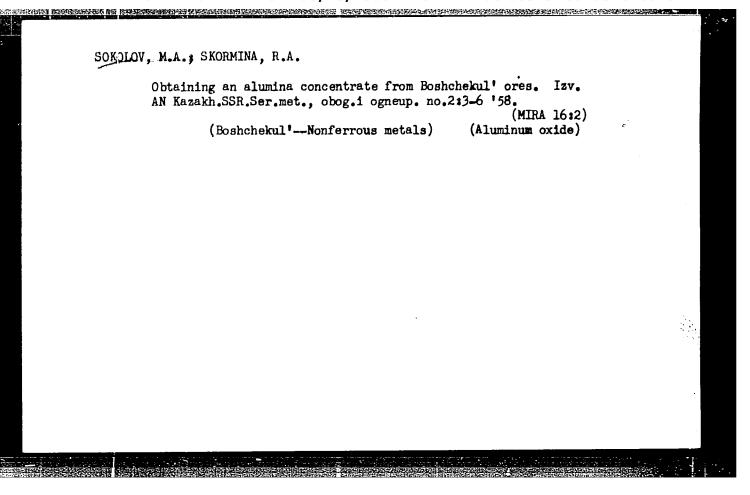
SOKOLOV, Mikhail Petrovich; TSITSIN, N.V., akademik, otv.red.;
KARPEKINA, L.S., red.izd-va; ZENDEL', M.Ye., tekhn.red.

[Botanical gardens, principles of their organization and planning] Botanicheskie sady, osnova ikh ustroistva i planirovka. Moskva, Izd-vo Akad.nauk SSSR, 1959. 198 p.

(MIRA 12:11)

(Botanical gardens)





SOKOLOV, M.A.; SKORMINA, R.A.; KORABLINA, M.P.; BAYSHULAKOV, A.A.

Prospects for the complete treatment of poor molybdenum-tungsten ores of central Kazakhstan. Trudy Inst. met. 1 obogashch. AN Kazakh. SSR 2:3-6 160.

(Kazakhstan-Nonferrous metals)

(Ore dressing)

SOKOLOV, M.A.; BORODINA, V.A.; ROMANKNKO, V.T.

Investigations on the recovery of thallium from complex ores.

Izv.AN Kazakh.SSR.Ser.met.obog.i ogneup. no.2:3-7 '60.

(MIRA 13:8)

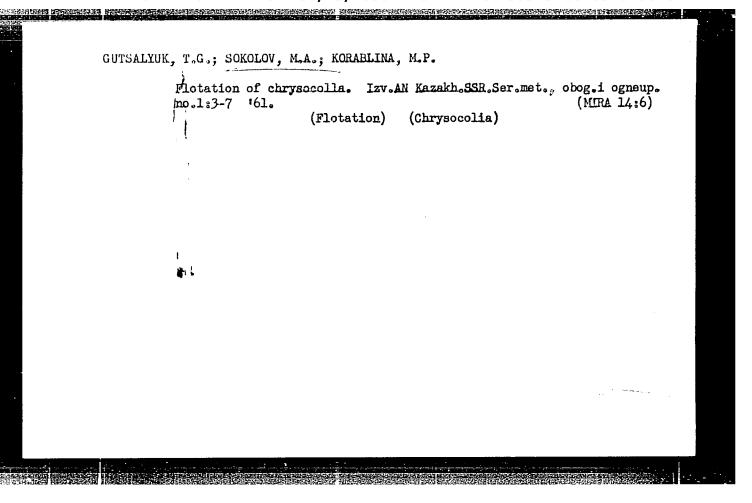
(Thallium) (Flotation)

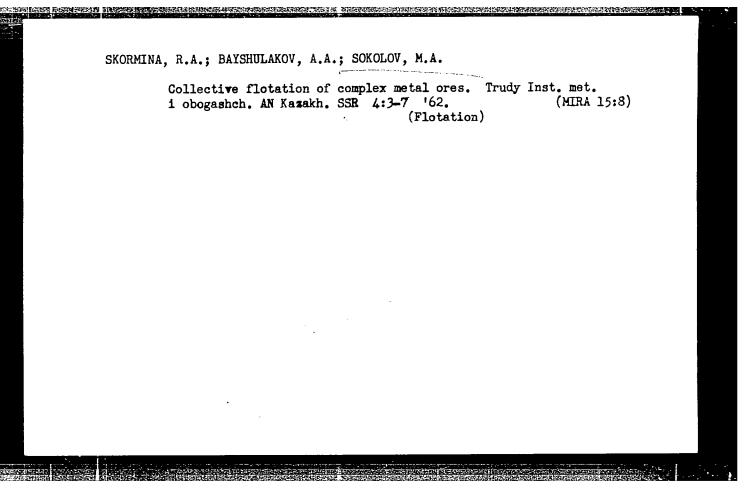
SOKOLOV, M.A.

Main results of research and trends in the field of mineral ore dressing. Trudy Inst. met. i obogashch. AN Kazakh.

SSR 3:16-23 '60. (MIRA 14:6)

(Ore dressing)





BAYSHULAKOV, A.A.; GLEMBOTSKIY, V.A.; SOKOLOV, M.A.

Emulsification of reagents in the presence of stabilizers.

Vest.AN Kazakh,SSR 18 no.11z47-54 N '62. (MIRA 15:12)

(Surface-active agents) (Ore-dressing)

GUTSALYUK, T.G.; KORABLINA, M.P.; SOKOLOV, M.A.

Dressing oxidized Dzhezkazgan copper ore. Trudy Inst. met. 1 obog. AN Kazakh. SSR 6:3-10 '63. (MIRA 16:10)

L 18417-63

BDS

ACCESSION NR: AP3005803

S/0136/63/000/008/0083/0084

AUTHORS: Mitin, I. I.; Sokolov, M. A.

TITLE: Hydrodynamic ultrasonic emulsifier

SOURCE: Tsvetny*ye metally*, no. 8, 1963, 83-84

TOPIC TAGS: metallurgy, emulsifier, hydrodynamic emulsifier

AESTRACT: Authors describe a new type of hydrodynamic, ultrasonic emulsifier which was developed at the <u>Institute of metallurgy</u> and <u>are beneficiation</u>. Academy of sciences, Kuz SSR. It employs a multiple-unit whistle. Diagram is shown in the Enclosure. Orig. art. has: 1 figure

ASSOCIATION: none

SUEMITTED: 00

DATE ACQ: 06Sep63

ENCL: Ol

SUB CODE: ML

NO REF SOV: 000

OTHER: 000

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Olember 1, 7.a.; K shirebyev, 1.m.; Michael T. M. 1.

Increasing the efficiency of the interation between collector reagents in the fictuation of subclines. Trudy That, met. i chog.

AN Funch. Web 8:131-138 *63

(M. RA 17:8)

GUTSALYUK, T.G.; KORABLINA, M.F.; SOKOLOV, M.A.

New reagents for the flotation of mixed ores from the Dzhezkazgan deposit. Trudy Inst. met. 1 obog. All Kazakh. SSR 9.3-7 '64.

(MIRA 17:9)

ACC NR: AR6018979

SOURCE CODE: UR/0271/66/000/002/B058/E058

AUTHOR: Sokolov, M. P.

TITLE: Access to a system for data stored in the memory of a multichannel pulse analyzer or in a parallel binary-decimal code counter

SOURCE: Ref. zh. Avtomat telemekh i vychisl tekhn, Abs. 2B417

REF SOURCE: Tr. 6-y Nauchno-tekhn, konferentsii po yadern. radioelektron. T. 2., M., Atomizdat, 1965, 102-108

TOPIC TAGS: pulse height analyzer, punched paper tape, memory access technique

TRANSLATION: In the proposed system for data access, attached to the analyzer AI-100, the following output devices are used: PL tape punch, EPP-09 recorder, and EUM-23 and EUM-23P electric typewriters. The analyzer operates in the query-answer mode, except when feeding the recorder. A coded query signal is fed into the control unit of the analyzer and causes an address change in the distributor unit and transfer of the word into the register which accepts information from the memory. From the register, the data is transferred into a transistor-relay unit, where all relays assume a state which corresponds to the word being processed. Serial scanning of the decoding logic by a stepping scanner follows and the information is fed into the printing register and the punch. The wiper of the scanner serially connects the outputs of the decoder

> 681.142.343 UDC:

Card 1/2

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unch. Il esistors	ne digital	l-to-analog con ent summation a e analyzer oper- information shi	verter for the the output :	e record resistor automati	er is desi . When da c recordin	ta are f g-slower	ed into	the rate"	
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ACC NR: AP6018360

SOURCE CODE: UR/0089/66/020/005/0437/0438

AUTHOR: Yefanov, A. I.; Konstantinov, L. V.; Postnikov, V. V.; Sadikov, I. P.; 3/
Sokolov, M. P.

ORG: none

TITLE: Installation for oscillator measurements on a nuclear reactor 18

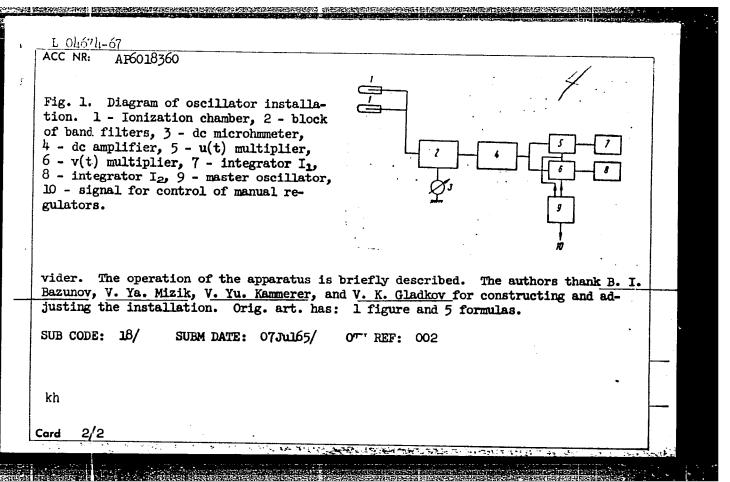
TITIE: Installation for oscillator measurements on a nuclear reactor SOURCE: Atomnaya energiya, v. 20, no. 5, 1966, 437-438

TOPIC TAGS: nuclear reactor control equipment, reactor transient, nuclear reactor characteristic

ABSTRACT: The authors report an oscillator installation, intended for physical reactivity measurements in the reactor of the first block of the Baloyarsk Atomic Energy Station im. I. V. Kurchatov. This installation, used in conjunction with the permanent manual-control system and with an ionization chamber, was employed to measure the differential and integral efficiencies of manual-control rods, under different operating conditions, and also to determine the frequency characteristics of the reactor. The installation could be joined by means of the relay system to the drive of any of the manual-control rods, so that it was very useful for large scale measurements of the efficiency of a large number of rods within 1 - 1.5 hours without disturbing the normal operation of the reactor. The apparatus consists of an oscillation generator and a harmonic analyzer (Fig. 1). The oscillation generator contains a frequency divider and a two-position relay controlled by the output pulse of the frequency di-

Card 1/2

UDC: 621.039.5 16.2: 621.039.564



SOKOLOV, M. S. Cand. Med. Sci.

Dissertation: "Phlegmons in the Vicinity of the Jaws." Moscow Stomatological Inst., Ministry of Health, RSFSR, 19 May 47.

MERI PROPERTIES DIFFERENCE DE LA COMPANSA DEL COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DEL COMPANSA DE LA COMPANSA DE LA

SO: Vechernyaya Moskva, May, 1947, (Project #17836)

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Characteristics of surgery of the stomach and duodenum in severe kyphosis of the thoracic portion of the spine. Vest.khir. 77 no.5: 80-82 My '56.

1. Iz l-go khirurgicheskogo otdeleniya (sav. prof. B.E.Linberg) Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta (dir. P.M.Leonenko)

(KYPHOSIS, complications, duodenal & stomach dis., surg. (Rus))

(STOMACH, surgery, in kyphosis (Rus))

(DUODENUM, surgery in kyphosis (Rus))
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130-8-9/20

AUTHOR: Sokolov, M.S., Candidate of Technical Sciences and

Semenenko, P.P., Engineer.

TITLE: New Method of Lining the Bottoms of Basic Open-hearth

Furnaces (Novyy metod kladki podin osnovnykh martenovskikh pechey)

Metallurg, 1957, No.8, pp. 23 - 26 (USSR) PERIODICAL:

ABSTRACT: After a brief account of the properties of melted-on and brick parts of the lining of basic open-hearth furnaces and of some attempts at improving brick joints the authors describe work at the imeni Serov (imeni Serova) Works where a "welding" composition was used. This consisted of magnesite with a proportion of mill scale which epended on the location in the furnace bottom of the joint to be made. They mention that a bottom laid in this way lasted for 7 years and 2 months melting a wide variety of steels. Later (1955) tests at the same works confirmed the advantages of this technique, which reduced metal penetration and gave an economy of about 0.2-0.3 kg of magnesite per ton of steel melted. A diagram of temperature distribution in the bottom of this furnace (found from electical analogues) is shown (Fig. 4). The authors go on to give extracts from an American article describing a similar type of bottom

Cardl/2 construction and suggest that on the basis of experience at

SOKOLOV, N. S.

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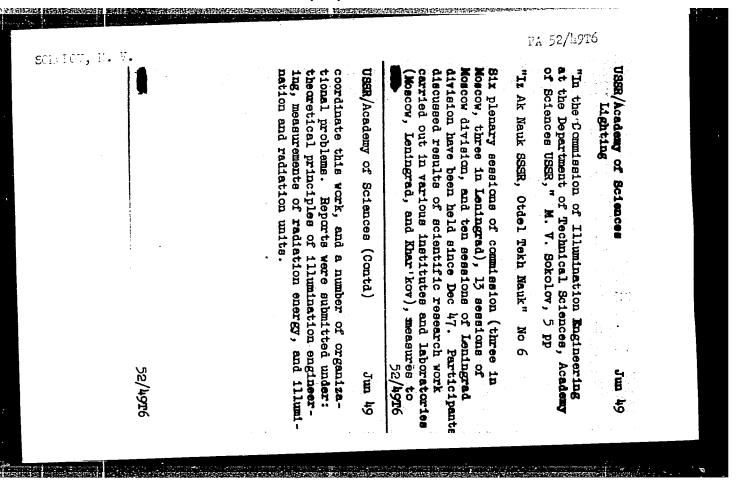
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